

Appl. No. 10/770,258
Examiner: CHEN, WEN YING PATTY, Art Unit 2871
In response to the Office Action dated April 11, 2005

Date: July 11, 2005
Attorney Docket No. 10113711

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (Original): A liquid crystal module, comprising:

a body; and

a circuit board disposed on the body, having a plurality of lead wires, a plurality of openings exposing the lead wires, an LED coupled to the lead wires, and a Zener diode coupled to the lead wires through the openings, wherein the LED and the Zener diode are juxtaposed on the lead wires.

Claim 2 (Original): The liquid crystal module as claimed in claim 1, wherein the Zener diode is coupled to the lead wires by welding.

Claim 3 (Original): The liquid crystal module as claimed in claim 1, wherein the body is rectangular.

Claim 4 (Original): The liquid crystal module as claimed in claim 1, wherein the body is made of plastic.

Claim 5 (Original): The liquid crystal module as claimed in claim 1, wherein the liquid crystal module is a liquid-crystal display of a mobile phone.

Claim 6 (Original): The liquid crystal module as claimed in claim 1, wherein the liquid crystal module is a liquid-crystal display of a personal digital assistant.

Claim 7 (Original): A liquid crystal module, comprising:

a body; and

a circuit board disposed on the body, having a first side and a second side, a plurality of lead wires located between the first side and the second side, a plurality of openings formed on the first side and the second side to expose the lead wires, an LED coupled to the lead wires

Appl. No. 10/770,258

Examiner: CHEN, WEN YING PATTY, Art Unit 2871

In response to the Office Action dated April 11, 2005

Date: July 11, 2005

Attorney Docket No. 10113711

through the openings on the first side, and a Zener diode coupled to the lead wires through the openings on the second side, wherein the LED and the Zener diode are disposed on the lead wires on the first side and the second side respectively.

Claim 8 (Original): The liquid crystal module as claimed in claim 7, wherein the Zener diode and the LED are correspondingly located on the first side and the second side.

Claim 9 (Original): The liquid crystal module as claimed in claim 7, wherein the Zener diode is coupled to the lead wires by welding.

Claim 10 (Original): The liquid crystal module as claimed in claim 7, wherein the body is rectangular.

Claim 11 (Original): The liquid crystal module as claimed in claim 7, wherein the body is made of plastic.

Claim 12 (Original): The liquid crystal module as claimed in claim 7, wherein the liquid crystal module is a liquid-crystal display of a mobile phone.

Claim 13 (Original): The liquid crystal module as claimed in claim 7, wherein the liquid crystal module is a liquid-crystal display of a personal digital assistant.

Claim 14 (New): A liquid crystal module, comprising:

a body; and

a circuit board disposed on the body, having a plurality of lead wires, an insulating substrate formed with a plurality of openings, and an LED and a Zener diode coupled to the lead wires through the openings.

Claim 15 (New): The liquid crystal module as claimed in claim 14, wherein the LED and the Zener diode are juxtaposed on the lead wires.

Appl. No. 10/770,258

Examiner: CHEN, WEN YING PATTY, Art Unit 2871
In response to the Office Action dated April 11, 2005

Date: July 11, 2005
Attorney Docket No. 10113711

Claim 16 (New): The liquid crystal module as claimed in claim 14, wherein the insulating substrate 440 further comprises a first side and a second side, and the openings are formed on the first side and the second side to expose the lead wires, wherein the LED is coupled to the lead wires through the openings on the first side and the Zener diode is coupled to the lead wires through the openings on the second side, to dispose the LED and the Zener diode on the first side and the second side, respectively.

Claim 17 (New): The liquid crystal module as claimed in claim 14, wherein the LED corresponds to the Zener diode.